

Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Eli
Gender: Male
Sample ID: 2606180001

Owner Name: Kristene Lafiguera
Age: 5 Years
Sample Type: Serum

Species: Feline
Patient or Visit No.:
Time Tested: 18/06/2026 10:12:29

Test Panel: Comprehensive 24 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	86.7	g/L	54-89				Whole Body
ALB	31.7	g/L	22-45				Liver, Kidney
GLOB	55.0	g/L	15-57				Whole Body
ALB/GLOB	0.6						Calculated value
TBIL	161.38 ↑	umol/L	2-15				Whole Body, Liver
GGT	8.9 ↑	U/L	0-2				Liver
AST	429 ↑	U/L	9.2-60				Liver
ALT	1027 ↑	U/L	8.2-123				Liver
AST/ALT	0.42						Calculated value
ALP	460 ↑	U/L	10-90				Liver
TBA	57.4 ↑	umol/L	0-15				Liver, Gallbladder
AMYL	1465	U/L	200-1800				Pancreas
CK	89	U/L	50-450				Myocardium, Skeletal muscle
CREA	169	umol/L	27-223				Kidney
BUN	8.25	mmol/L	3.6-15.5				Kidney
BUN/CREA	12						Calculated value
GLU	8.78	mmol/L	4.11-8.84				Whole Body
CHOL	3.79	mmol/L	1.68-5.81				Whole Body
TRIG	1.71 ↑	mmol/L	0.1-0.9				
tCO2	16	mmol/L	15-24				Whole Body
Ca	2.86	mmol/L	1.95-2.95				Whole Body
PHOS	1.28	mmol/L	1-2.74				Kidney
Ca×P	45	mg/dL					
Mg	0.98	mmol/L	0.7-1.21				

Clinical Significance

TBIL	Elevated levels: ① Pre-hepatic diseases or hemolysis: canine ehrlichiosis, canine and feline babesiosis, onion poisoning, and other hemolytic diseases; ② Hepatic diseases: cholestatic hepatitis, infectious canine hepatitis, leptospirosis, bacterial hepatitis, cirrhosis, etc.; ③ Post-hepatic diseases: biliary obstructive diseases, gallstones, etc.; ④ Acute and chronic hepatitis, biliary tract obstruction, acute necrotic hepatitis, metastatic liver cancer, hemolytic jaundice, post-transfusion hemolysis, malignant anemia.
GGT	Elevated levels: ① Jaundice; ② Lipemia causing false elevation; ③ Drug effects: barbiturates, corticosteroids, nonsteroidal anti-inflammatory drugs, etc.; ④ Hepatic diseases: liver tumors, chronic hepatitis, cirrhosis, hepatic lipidosis; ⑤ Extrahepatic diseases: cholecystitis, gallstones, gallbladder mucinous cyst, hyperthyroidism, pancreatitis, hypoadrenocorticism, etc.
AST	Elevated levels: ① Hepatic system diseases; ② Hemolysis, lipemia causing false elevation; ③ Equine paralytic myoglobinuria; ④ Cardiac injury: myocarditis, myocardial infarction; ⑤ Skeletal muscle diseases: canine degenerative myopathy, muscle injury; ⑥ Drug/toxin effects: barbiturates, corticosteroids, nonsteroidal anti-inflammatory drugs, ketoconazole, etc.
ALT	Elevated levels: ① Drug effects; ② Hemolysis, lipemia causing false elevation; ③ Metabolic disorders and secondary liver diseases; ④ Hyperthyroidism, cardiac insufficiency, severe anemia, shock; ⑤ Primary hepatocyte and hepatobiliary diseases: infectious hepatitis, feline infectious peritonitis, leptospirosis, hepatotoxin diseases.
ALP	Elevated levels: ① Primary or metastatic tumors; ② Acute toxic liver injury; ③ Normal in young growing animals; ④ Bone marrow diseases causing increased osteoblast activity; ⑤ Hemolysis, lipemia, hyperbilirubinemia causing false elevation; ⑥ Drug/toxin effects: corticosteroids, barbiturates, aflatoxins, etc.; ⑦ Hepatobiliary diseases: cholangitis, chronic hepatitis, cirrhosis, hepatic lipidosis, etc.; ⑧ Endocrine diseases: hyperthyroidism, hyperadrenocorticism, diabetes.



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TBA	Elevated levels: ① Significantly elevated in acute hepatitis; ② Chronic hepatitis, cirrhosis, liver cancer; ③ Congenital or acquired portosystemic shunts; ④ Cholestasis: biliary disease, acute and chronic biliary obstruction.
TRIG	Elevated levels: ① Hypothyroidism; ② Diabetes mellitus; ③ Pancreatitis; ④ Cholestasis; ⑤ Fasting (obesity); ⑥ Spontaneous hyperlipidemia; ⑦ Hyperadrenocorticism; ⑧ Spontaneous hyperchylomicronemia; ⑨ Physiological increase after a fatty meal.

Veterinary Technician: not specified

Attending Veterinarian: Dr. Marian Wanagen

Date Reported: 18/06/2026

This report is solely for the received sample and serves as a diagnostic reference for veterinarians.



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